



PATENT  
Attorney Docket No. 5889.12  
Express Mail Label No. EV 016 647 818 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Brian T. BOYD, et al.

Serial No. 10/022,137

Filed: December 12, 2001

For: DEVICE AND METHOD FOR GENERATING  
AND APPLYING OZONATED WATER

Examiner: B. HOEY

GAU: 1724

Allowed: August 12, 2003

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**  
**Under 37 C.F.R. §§ 1.97(b)(3)**

Mail Stop RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The Examiner is requested to consider the references noted on the enclosed Form PTO-1449 during examination of the above-identified patent application. These references are submitted for the Examiner's consideration and are submitted pursuant to the duty of disclosure under 37 C.F.R. § 1.56. These references were previously submitted in Information Disclosure Statement filed on September 2, 2003, but to our knowledge, have not been considered by the Examiner. In submitting these references, no representation is made or implied that the references are or are not material to the examination of the application. The Examiner is encouraged to make his or her own determination of materiality. Copies of the references are provided.

This Information Disclosure Statement is filed concurrently with Request for Continued Examination (RCE), and before the first office action following continued examination in this case. Accordingly, pursuant to 37 C.F.R. § 1.97(b)(3), no fees are due with respect to this filing. However, should any fees be deemed necessary, such fees may be charged to Deposit Account No. 04-1415.

Dated this 11<sup>th</sup> day of November, 2003.



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4825-9067-0080



FORM PTO-149, U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 5889.12	SERIAL NO. 10/022,137
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT: Brian T. BOYD et al.	
		FILING DATE December 12, 2001	GROUP 1724

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4214969	07/29/80	Lawrence	204	255	
		4224129	09/23/80	McIntyre et al.	204	263	
		4316782	02/23/82	Foller et al.	205	626	
		4375395	03/01/83	Foller et al.	205	626	
		4417969	11/29/83	Ezzell et al.	204	252	
		4541989	09/17/85	Foller	422	186.07	
		4596648	06/24/86	Sweeney	204	237	
		4792407	12/20/88	Zeff et al.	210	748	
		4849376	07/18/89	Balzan et al.	438	582	
		4876115	10/24/89	Raistrick	427	115	
		4927800	05/22/90	Nishiki et al.	502	349	
		4950371	08/21/90	McElroy	205	628	
		4992126	02/12/91	Door	156	182	
		5242764	09/07/93	Dhar	429	30	
		5246792	09/21/93	Watanabe	429	33	
		5290406	03/01/94	Sawamoto et al.	205	626	
		5385711	01/31/95	Baker et al.	422	186.07	
		5427658	06/27/95	Allen	205	556	
		5529683	06/25/96	Critz et al.	205	350	
		5578280	11/26/96	Kazi et al.	422	186.07	
		5578388	11/26/96	Faita et al.	429	30	
		5589052	12/31/96	Shimamune et al.	205	349	
		5607562	03/04/97	Shimamune et al.	204	265	
		5686051	11/11/97	Shiota et al.	422	186.14	
		5736016	04/07/98	Allen	204	237	
		5779865	07/14/98	Schulze et al.	204	252	

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
/	EP 1 149 054	10/31/01	EP				



## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Pallav Tatapudi and James M. Fenton, "Simultaneous Synthesis of Ozone and Hydrogen Peroxide in a Proton-Exchange-Membrane Electrochemical Reactor," May 1994, pages 1174-1178
	Pallav Tatapudi and James M. Fenton, "Synthesis of Hydrogen Peroxide in a Proton Exchange Membrane Electrochemical Reactor," April 1993, pages L55-L57
	Pallav Tatapudi and James M. Fenton, "Paired Synthesis of Ozone and Hydrogen Peroxide In An Electrochemical Reactor," pages 275-285
	Pallav Tatapudi and James M. Fenton, "Synthesis of Ozone in a Proton Exchange Membrane Electrochemical Reactor," December 1993, pages 3527-3530
	Tom D. Rogers, G. Duncan Hitchens, Carlos E. Salinas, and Oliver J. Murphy, "Water Purification, Microbiological Control, Sterilization and Organic Waste Decomposition Using an Electrochemical Advanced Ozonation Process," July 13-16, 1996, 10 pages
	G. Duncan Hitchens and Oliver J. Murphy, "Development of Proton-Exchange Membrane Electrochemical Reclaimed Water Post-Treatment System," July 15-18, 1991, pages 131-140
	Masahiro Watanabe, Yasutaka Satah, and Chiyoko Shimura, "Management of the Water Content in Polymer Electrolyte Membranes with Porous Fiber Wicks," November 1993, pages 3190-3193

## EXAMINER

## DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.